

A detailed anatomical illustration of the human eye in cross-section, focusing on the anterior chamber angle. A series of yellow dots, representing laser spots, are shown being applied to the trabecular meshwork. Blue lines radiate from the top of the eye, indicating the light path from a slit lamp. The background features a green and blue color scheme with abstract light patterns.

SLT

Alternative treatment for glaucoma

Adapt to your slit lamp

SOLUTis

SLT laser

SLT

Adapt to your slit lamp

SoLuTis

SLT-laser



Why SLT?

○ Glaucoma: a worrying situation (*)

- 60 million people affected worldwide estimated by 2010
- About 80 million people by 2020

○ Demanding standard treatments

- Eye drops
- Surgery
- ALT (Argon Laser Trabeculoplasty)

○ SLT: a new alternative

Based on the ALT protocol, but using a different technology and a new mode of emission, the SLT extend the indications of classical trabeculoplasty.

SoLuTis, Selective Laser Trabeculoplasty



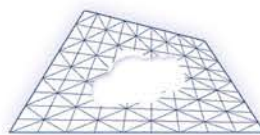
A unique target: pigmented cells

- Q-switched Nd: YAG Laser doubled in frequency
- Wavelength: 532 nm

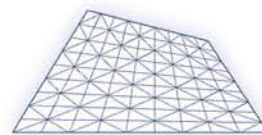


A cold laser

No thermal damage to surrounding tissue



ALT Effect



SLT Effect



A homogeneous thermal effect:

- Optimized energy scattering: « Top Hat Laser Beam »
- Large spot: 400 µm



“Gaussian” energy distribution
Standard laser



“Top Hat” energy distribution
SoLuTis

(*)
The number of people with glaucoma worldwide in 2010 and 2020
H A Quigley, A T Broman
British Journal of Ophthalmology 2006; 90:262-267

Alternative treatment for Glaucoma

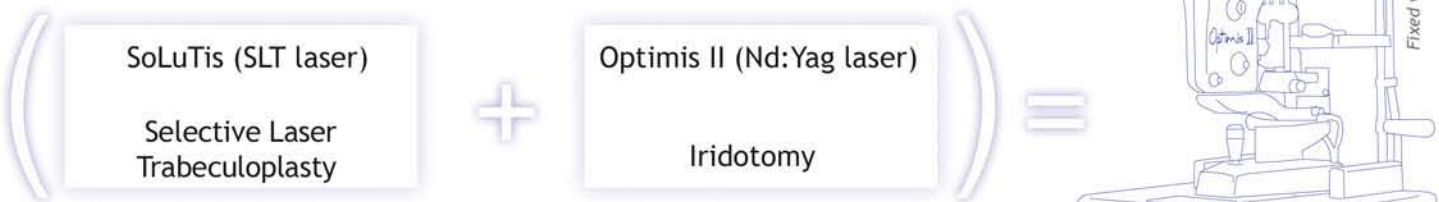
SoLuTis: a unique design

- Compact: the SoLuTis laser adapts to your own slit lamp (Haag-Streit type)
- 2 settings: diagnosis & treatment
Large clearance of slit generator



- Light: SoLuTis is easily **transportable**

SoLuTis + Optimis II: two in one laser



Your laser platform dedicated to the treatment of glaucoma

- **A better quality of life for your patients**
 - Efficient and painless treatment
 - Treatment reimbursed in most countries
- **A simple and efficient treatment for you, doctors**
 - Lasting and reproducible results
 - A better follow-up care for your patients



Adapt to your slit lamp

SoLuTis

SLT-laser



- + An efficient technique extending clinical indications of trabeculoplasty
- + Reproducible and lasting results
- + Transportable - A unique design - small size and light weight
- + Adaptable - No dedicated slit lamp needed
- + SoLuTis will become your first line treatment

TECHNICAL SPECIFICATIONS:

- o Laser source: Q-switched, frequency doubled Nd:YAG
- o Wavelength: green 532 nm
- o Energy: 0.2 to 2 mJ
- o Pulse duration: 4 ns
- o Repetition rate: > 1 Hz
- o Pulse mode: single pulse
- o Aiming beam: 637 nm
- o Magnification: according to type of slit lamp
- o Cooling: air cooled
- o Size (H x W x D): Laser head: 35 x 15 x 7 cm / 5.4' x 7' x 11.4'
Power Supply: 31 x 34 x 8 cm / 17' x 12' x 8.5'
- o Weight: Laser head 1.9 Kg / 4.19 lbs
Power Supply 5.7 Kg / 12.57 lbs
- o Power requirements: 100 - 240 VAC, 50/60 Hz
- o Compatible with Haag-Streit (BM and BQ) and Haag-Streit type slit lamps

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